

TTCCTGCCCTGACCCCCAAAGTGAGGAGAAGCTGCAAGGGAAAAGGGAGGGACAGATCAG 60
 GGAGACCGGGGAAGAAGGAGGACGAGCCAAGGAGGCTGCTGTCCCCCACAGAGCAGCTC 120
 GGA CTCAGCTCCCGGAAGCAACCCAGCTGCGGAGGCAACGGCAGTGCTGCTCCTCCAGC 180
 GAAGGACAGCAGGCAGGCAGACAGACAGAGGTCTGGGACTGGAAGGCCTCAGCCCCCAG 240
 CCACTGGGCTGGGCTGGCCCAATGGCCTTTAATGACCTCCTGCAGCAGGTGGGGGGTGT 300
 M A F N D L L Q Q V G G V
 CGGCCGCTTCCAGCAGATCCAGGTCACCTGGTGGTCTCTCCCCCTGCTCCTGATGGCTTC 360
 G R F Q Q I Q V T L V V L P L L L M A S
 TCACAACACCTGCAGAACTTCACTGCTGCCATCCCTACCCACCACTGCCGCCCGCCTGC 420
 H N T L Q N F T A A I P T H H C R P P A
 CGATGCCAACCTCAGCAAGAACGGGGGGCTGGAGGTCTGGCTGCCCCGGGACAGGCAGGG 480
 D A N L S K N G G L E V W L P R D R Q G
 GCAGCCTGAGTCTGCTCCGCTTACCTCCCCGAGTGGGGACTGCCCTTTCTCAATGG 540
 Q P E S C L R F T S P Q W G L P F L N G
 CACAGAAGCCAATGGCACAGGGGCCACAGAGCCCTGCACCGATGGCTGGATCTATGACAA 600
 T E A N G T G A T E P C T D G W I Y D N
 CAGCACCTTCCCATCTACCATCGTGA CTGAGTGGGACCTTGTGTGCTCTCACAGGGCCCT 660
 S T F P S T I V T E W D L V C S H R A L
 ACGCCAGCTGGCCCAGTCCTTGTACATGGTGGGGGTGCTGCTCGGAGCCATGGTGTTCGG 720
 R Q L A Q S L Y M V G V L L G A M V F G
 CTACCTTGACAGACAGGCTAGGCCGCCGGAAGGTACTCATCTTGA ACTACCTGCAGACAGC 780
 Y L A D R L G R R K V L I L N Y L Q T A

FIG. 1

TGTGTCAGGGACCTGCGCAGCCTTCGCACCCAACCTCCCATCTACTGCGCCTTCCGGCT 840
 V S G T C A A F A P N F P I Y C A F R L
 CCTCTCGGGCATGGCTCTGGCTGGCATCTCCCTCAACTGCATGACACTGAATGTGGAGTG 900
 L S G M A L A G I S L N C M T L N V E W
 GATGCCCATTCACACACGGGCCTGCGTGGGCACCTTGATTGGCTATGTCTACAGCCTGGG 960
 M P I H T R A C V G T L I G Y V Y S L G
 CCAGTTCCTCCTGGCTGGTGTGGCTACGCTGTGCCCCACTGGCGCCACCTGCAGCTACT 1020
 Q F L L A G V A Y A V P H W R H L Q L L
 GGTCTCTGCGCCTTTTTTGCCTTCTTCATCTACTCCTGGTTCTTCATTGAGTCGGCCCCG 1080
 V S A P F F A F F I Y S W F F I E S A R
 CTGGCACTCCTCCTCCGGGAGGCTGGACCTCACCTGAGGGCCCTGCAGAGAGTCGCCCCG 1140
 W H S S S G R L D L T L R A L Q R V A R
 GATCAATGGGAAGCGGGAAGAAGGAGCCAAATTGAGTATGGAGGTACTCCGGGCCAGTCT 1200
 I N G K R E E G A K L S M E V L R A S L
 GCAGAAAGGAGCTGACCATGGGCAAAGGCCAGGCATCGGCCATGGAGCTGCTGCGCTGCCC 1260
 Q K E L T M G K G O A S A M E L L R C P
 CACCCTCCGCCACCTCTTCCTCTGCCTCTCCATGCTGTGGTTTGCCACTAGCTTTGCATA 1320
 T L R H L F L C L S M L W F A T S F A Y
 CTATGGGCTGGTCATGGACCTGCAGGGCTTTGGAGTCAGCATCTACCTAATCCAGGTGAT 1380
 Y G L V M D L Q G F G V S I Y L I Q V I
 CTTTGGTGCTGTGGACCTGCCTGCCAAGCTTGTGGGCTTCCTTGTCATCAACTCCCTGGG 1440
 F G A V D L P A K L V G F L V I N S L G
 TCGCCGGCCTGCCAGATGGCTGCACTGCTGCTGGCAGGCATCTGCATCCTGCTCAATGG 1500
 R R P A Q M A A L L L A G I C I L L N G
 GGTGATACCCAGGACCAGTCCATTGTCCGAACCTCTCTTGCTGTGCTGGGGAAGGGTTG 1560
 V I P Q D O S I V R T S L A V L G K G C

FIG. 2

TCTGGCTGCCTCCTTCAACTGCATCTTCCTGTATACTGGGGAAGTGTATCCCACAATGAT 1620
L A A S F N C I F L Y T G E L Y P T M I

CCGGCAGACAGGCATGGGAATGGGCAGCACCATGGCCCGAGTGGGCAGCATCGTGAGCCC 1680
R Q T G M G M G S T M A R V G S I V S P

ACTGGTGAGCATGACTGCCGAGCTCTACCCCTCCATGCCTCTCTTCATCTACGGTGCTGT 1740
L V S M T A E L Y P S M P L F I Y G A V

TCCTGTGGCCGCCAGCGCTGTCACTGTCTCCTGCCAGAGACCCTGGGCCAGCCACTGCC 1800
P V A A S A V T V L L P E T L G Q P L P

AGACACGGTGACAGGACCTGGAGAGCAGGAAAGGGAAACAGACGCGACAGCAACAAGAGCA 1860
D T V Q D L E S R K G K Q T R Q Q Q E H

CCAGAAGTATATGGTCCCACTGCAGGCCTCAGCACAAGAGAAGAATGGACTCTGAGGACT 1920
Q K Y M V P L Q A S A Q E K N G L

GAGAAGGGGCCTTACAGAACCCTAAAGGGAGGGAAGGTCCTACAGGTCTCCGGCCACCCA 1980

CACAAGGAGGAGGAAGAGGAAATGGTGACCCAAGTGTGGGGGTTGTGGTTCAGGAAAGCA 2040

TCTTCCCAGGGGTCCACCTCCCTTTATAAACCCACCAGAACCATCATTAAAAGGTTT 2100

GACTGCGAAAAAAAAAAAAAAAAA
→ 2123

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FIG. 3